

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20040223425").PN.	US-PGPUB; USPAT	OR	OFF	2007/02/09 09:09
S2	246	(369/53.23).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/26 13:49
S3	545063	((optical compact) near2 (disk\$2 disc\$2 medium)) CD DvD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 13:49
S4	124338	(tracking near3 error near3 signal\$3) TES TE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 13:50
S5	89506	object\$3 near2 lens	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 13:50
S6	6593393	control\$3 adjust\$4 manipulats\$4 guid\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 13:53
S7	290196	polarit\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 13:53
S8	2471	S3 and (S5 same S6 same S4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 14:03
S9	54	S2 and (S5 same S6 same S4)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 14:04
S10	578	S3 and (S5 same S6 same S4) and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 14:03
S11	14	S2 and (S5 same S6 same S4) and S7	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/26 14:30
S12	246	(369/53.23).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/01/29 15:31
S13	124377	(tracking near3 error near3 signal\$3) TES TE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 15:31
S14	89603	object\$3 near2 lens	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 15:31
S15	6603006	control\$3 adjust\$4 manipulats\$4 guid\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 15:31

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S16	290291	polarit\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 15:31
S17	14	S12 and (S14 same S15 same S13) and S16	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 16:30
S18	434320	((disc disk medium) near2 (type kind catagory)) discriminat\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 16:32
S19	11907	((disc disk medium) near2 (type kind catagory)) same (discriminat\$4 determin\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 16:32
S20	10	S17 and S18	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:07
S21	3	S17 and S19	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/29 16:32
S22	1	("6275466").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/31 08:08
S23	124463	(tracking near3 error near3 signal\$3) TES TE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:21
S24	546047	((optical compact) near2 (disk\$2 disc\$2 medium)) CD DvD CDROM DvDROM "CD-ROM" "DvD-ROM" (digital near2 (versatile video) near2 (disk disc))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:12
S25	6606067	control\$3 adjust\$4 manipul\$4 guid\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:43
S26	89665	object\$3 near2 lens	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:12
S27	11920	((disc disk medium) near2 (type kind catagory)) same (discriminat\$4 determin\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:13
S28	257344	(polarit\$3 signal) near6 (revers\$3 invert\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:14
S29	128530	(tracking near3 error near3 signal\$3) TES TE (push near2 pull near5 signal)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:22
S30	473	wavelength same (half halved) same S29	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:41

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S31	122	((on near2 track) on-track) near5 determin\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:42
S32	10	S24 and (S29 same S28) and (S25 same S26) and S30	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:47
S33	6261835	control\$3 adjust\$4 manipul\$4 shift\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:48
S34	122	((on near2 track) on-track) near5 determin\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:50
S35	128530	(tracking near3 error near3 signal\$3) TES TE (push near2 pull near5 signal)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:51
S36	42	S33 same S34	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:52
S37	16	S33 near10 S34	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:52
S38	2	(S33 near10 S34) same S35	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 08:52
S40	7	S33 same S34 same S35	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:03
S41	3568596	read\$4 reproduc\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:04
S42	128530	(tracking near3 error near3 signal\$3) TES TE (push near2 pull near5 signal)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:05
S43	290487	polarit\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:07
S44	78964	guid\$3 near2 groove	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:18
S45	329	S44 same S41 same S42	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:19
S46	116	S45 and S43	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:20

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S47	17	S45 same S43	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/31 13:20
S48	17132	determin\$6 near5 (readable reproducible ((able ability) near5 (read\$4 reproduc\$4)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 09:11
S49	124804	(tracking near3 error near3 signal\$3) TES TE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 09:26
S51	246	(369/53.23).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/02/09 09:12
S52	8	S48 and S49 and S51	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 09:26
S53	543293	lens\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 09:26
S56	128884	(tracking near3 error near3 signal\$3) TES TE (push near2 pull near5 signal)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 09:28
S57	352460	(revers\$3 near5 polarity) inverse\$2	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 09:29
S58	0	S51 and (S56 same S57 same S53) and S48	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 09:29
S59	1	(S56 same S57 same S53) and S48	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 11:09
S60	44550	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/02/09 11:09
S61	23	S60 and (((revers\$3 switch\$3 chang\$3 inver\$5) near4 (te tes (track\$3 near3 (error signal))) near3 polarity) same ((disk disc) near3 (type kind discriminat\$3)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/02/09 11:12
S62	46237	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2007/08/03 17:56
S63	23	S62 and (((revers\$3 switch\$3 chang\$3 inver\$5) near4 (te tes (track\$3 near3 (error signal))) near3 polarity) same ((disk disc) near3 (type kind discriminat\$3)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S64	18858	determin\$6 near5 (readable reproducible ((able ability) near5 (read\$4 reproduc\$4)))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56

## EAST Search History

S65	130839	(tracking near3 error near3 signal\$3) TES TE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S66	263	(369/53.23).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/03 17:56
S67	9	S64 and S65 and S66	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S68	263	(369/53.23).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/03 17:56
S69	130839	(tracking near3 error near3 signal\$3) TES TE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S70	93663	object\$3 near2 lens	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S71	6869022	control\$3 adjust\$4 manipulats\$4 guid\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S72	302783	polarit\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S73	15	S68 and (S70 same S71 same S69) and S72	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S74	455171	((disc disk medium) near2 (type kind catagory)) discriminat\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S75	10	S73 and S74	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S76	263	(369/53.23).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/03 17:56
S77	130839	(tracking near3 error near3 signal\$3) TES TE	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S78	93663	object\$3 near2 lens	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S79	6869022	control\$3 adjust\$4 manipulats\$4 guid\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S80	302783	polarit\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56

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S81	15	S76 and (S78 same S79 same S77) and S80	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S82	9	S64 and S65 and S66	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/08/03 17:56
S83	47805	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/02/06 14:08
S85	2926	S83 and ((revers\$3 switch\$3 chang\$3 inver\$5 opposite) near4 (te tes (track\$3 near3 (error signal))))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/06 15:09
S86	147764	(disk disc medium) near2 (type category)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/06 15:09
S87	12976	((revers\$3 switch\$3 chang\$3 inver\$5 opposite) near4 (te tes (track\$3 near3 (error signal))))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/06 15:09
S88	1312	S83 and S87 and S86	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/06 15:10
S89	369	S83 and S87 and S86 and (address\$3 near2 data)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/06 15:10
S90	17	S83 and S86 and (S87 same (address\$3 near2 data))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/06 15:11
S91	1	("20030202436").PN.	US-PGPUB; USPAT	OR	OFF	2008/02/07 08:24
S92	1	("7292509").PN.	US-PGPUB; USPAT	OR	OFF	2008/02/07 08:25
S93	18	("20010007545"   "20030016603"   "20030048719"   "20030137910"   "20030179688"   "4972399"   "5124962"   "5255262"   "5452284"   "6052465"   "6078559"   "6272086"   "6295262"   "6343062"   "6377526"   "6937544"   "6958965"   "6992959").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/02/07 08:25
S94	47835	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2008/02/07 08:25
S95	148051	(disk disc medium) near2 (type category)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/07 08:25
S96	12984	((revers\$3 switch\$3 chang\$3 inver\$5 opposite) near4 (te tes (track\$3 near3 (error signal))))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/07 08:25

## EAST Search History

S97	17	S94 and S95 and (S96 same (address\$3 near2 data))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/07 08:25
S98	4	S93 and S96	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/07 08:26